

Substitute for form 1449



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No. 09/827,432

Applicant: Izmailov

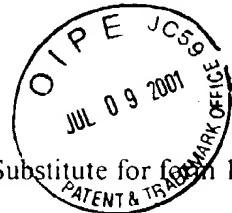
Filing Date: April 06, 2001

Title: Method and Apparatus
for Alignment of DNA
Sequencing Data Traces

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U.S. PATENT DOCUMENTS

Examiners Initials	U S Patent No.	Name of Persons or applicant	Date of Publication of Cited Document
CDC	4,849,513	Smith et al.	07-18-1989
	4,855,225	Fung et al.	08-08-1989
	5,118,800	Smith et al.	06-02-1992
	5,124,247	Ansorge	06-23-1992
	5,171,534	Smith et al.	12-15-1992
	5,213,673	Fujimiya et al.	05-25-1993
	5,268,486	Waggoner et al.	12-07-1993
	5,365,455	Tibbets, et al.	11-15-1994
	5,608,063	Hobbs, Jr. et al.	03-04-1997
	5,614,386	Metzker et al.	03-25-1997
	5,710,628	Waterhouse et al.	01-20-1998
	5,751,534	DeBalko	05-12-1998
	5,789,168	Leushner et al.	08-04-1998
	5,821,058	Smith et al.	10-13-1998
	5,830,657	Leushner et al.	11-03-1998
	5,834,189	Stevens et al.	11-10-1998
	5,916,747	Gilchrist et al.	06-29-1999
	5,981,186	Gabe et al.	11-09-1999
	6,005,663	Waterhouse et al.	12-21-1999
	6,027,709	Little et al.	02-22-2000
	6,068,737	De Chamorro et al.	05-30-2000



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FOREIGN PATENT DOCUMENTS

<i>CPL</i>	WO 95 11961	The University of Utah	05-04-1995
	WO 97 40184	Visible Genetics Inc.	10-30-1997
	WO 98 41650	Visible Genetics Inc.	09-24-1998
	WO 00 68410	Visible Genetics Inc.	11-16-2000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	
<i>CPL</i>	MICHAEL C. GIDDINGS, et al., An adaptive, object oriented strategy for base calling in DNA sequence analysis; Nucleic Acids Research, 1993, Vol. 21, No. 19.
	JAMES B. GOLDEN, III, et al., Pattern Recognition for Automated DNA Sequencing: I. On-line Signal Conditioning and Feature Extraction for Basecalling; Dept. of Mechanical Engineering, Dept. of Microbiology and Immunology, Vanderbilt University Schools of Medicine and Engineering, Nashville, TN 37232-2363. <i>Proc. Int. Conf. Intel. Syst. Mol. Biol. 1993; 1, 136-44</i>
	LANCE B. KOUTNY, et al., Automated Image Analysis for Distortion Compensation in Sequencing Gel Electrophoresis; 1369 Applied Spectroscopy 46(1992 January, No. 1, Frederick, MD, US).
	KEITH KRETZ, et al., Cycle Sequencing, PCR Methods and Applications 8(107-S)112, Manual Supplement. <i>PCR Methods Appl. 1994; 3(1)</i>
	MICHAEL A. REEVE et al., A novel thermostable polymerase for DNA sequencing; Nature, Vol. 376, August 31, 1995.
	GUALBERTO RUANO, et al., Coupled amplification and sequencing of genomic DNA; Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 2815-281, April 1991, Genetics.
	C. TIBBETTS, et al., Neural Networks for Automated Basecalling of Gel-based DNA Sequencing Ladders; Dept. of Microbiology and Immunology, Dept. of Mechanical Engineering, Vanderbilt University Schools of Medicine and Engineering, Nashville, TN 37232-2363, USA.
	STEFAN WIEMANN, et al., Simultaneous On-Line DNA Sequencing on Both Strands with Two Fluorescent Dyes; Analytical Biochemistry 224, 117-121 (1995).

Examiner's Signature

01/20/04

Date Considered



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No: 09/827432
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First Named Inventor: Izmailov
Group Art Unit: 1631
Examiner Name: Ly
Attorney Docket No.: VGEN.P-066US

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Examiner's Initials	US Patent Document	Name of Patentee or applicant of cited document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<i>CGR</i>	5,668,435	BURGI, ET AL.	09 SEPT 1997	

FOREIGN PATENT DOCUMENTS



2/23/04